

Patent document 1: Japanese (JP) design registration No.655304

- Patent document 2: JP design registration No.845632
- Patent document 3: JP examined patent application publication No.S62-51658
- Patent document 4: JP examined patent application publication No.H03-1061
- Patent document 5: JP examined patent application publication No.H04-55830

Conventional pulverizers based on hand mill principles include a pair of whetstones that are laid one upon another and adjustable in the interval therebetween, wherein a strong centrifugal force, an impact grinding force and shear are produced between said whetstones, thus a combined action of them performs attrition and pulverization. The attrition or pulverizing apparatus provided with rotatable and/or stationary whetstones are disclosed by the above-mentioned official gazette.

A rotary or stationary whetstone used here is generally called grinders, commonly having particle sizes 16#, 24# to 120#, and 240#. Though having different particle sizes, these grinders are uneven on the surface, and when they handle a hard substance to be processed, there is possibility that raised portion will be scraped or worn out to cause inclusion of impurity.

- Patent document 6: JP examined patent application publication No.S62-51658 (already mentioned as Doc. 3)

It has been reported that the grinding apparatus as disclosed in the above patent document 6 is capable of grinding a material into fine particles of the order of 1 to 5 microns, but it is unable to obtain fine particles of under 1 micron with said apparatus.

655304

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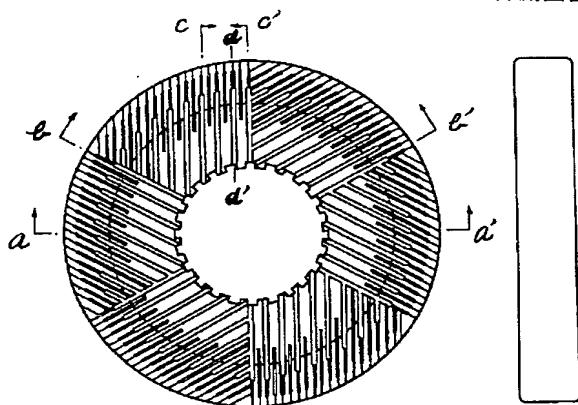
意匠に係る物品

破碎砥石

説明

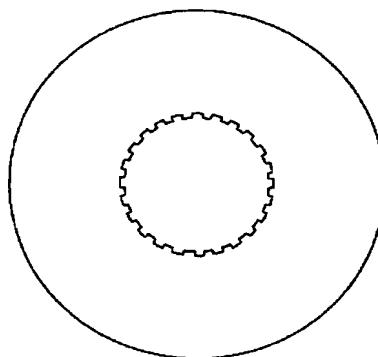
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正面図

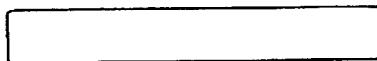


右側面図

背面図



平面図



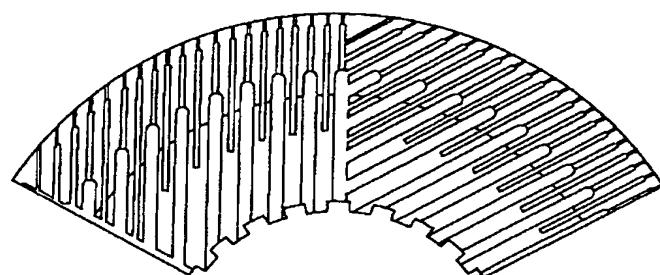
a-a'断面図



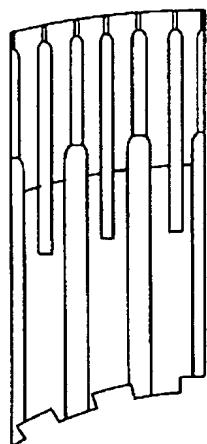
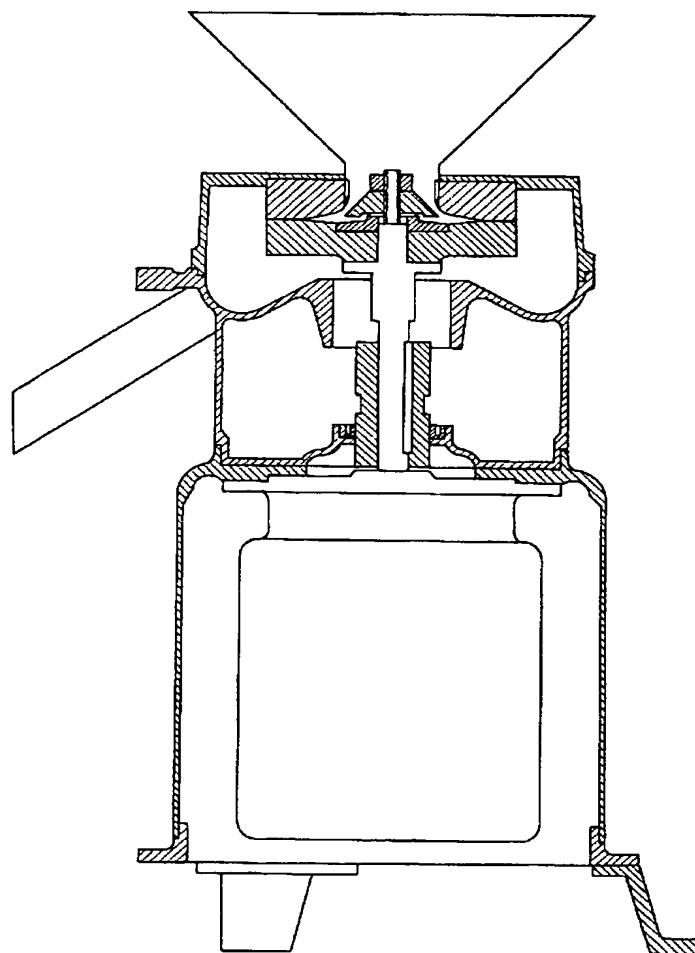
a - a' 切断部拡大端面図



b - b' 拡大正面図



c - c' 拡大正面図

使用状態を示す
参考断面図

d - d' 切断部拡大断面図

